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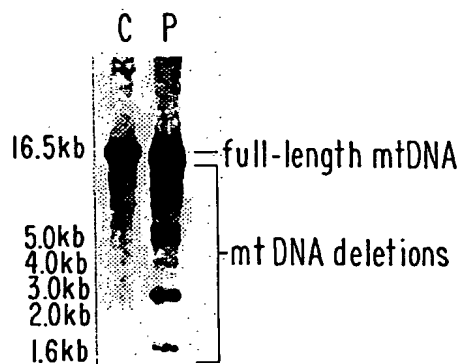
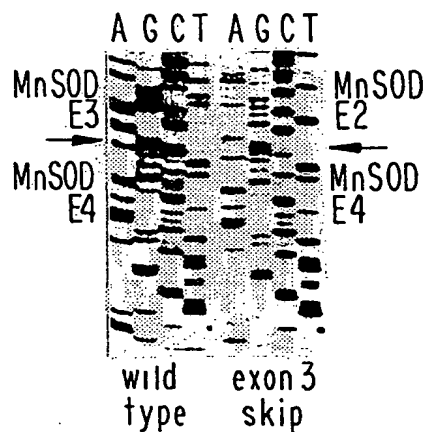
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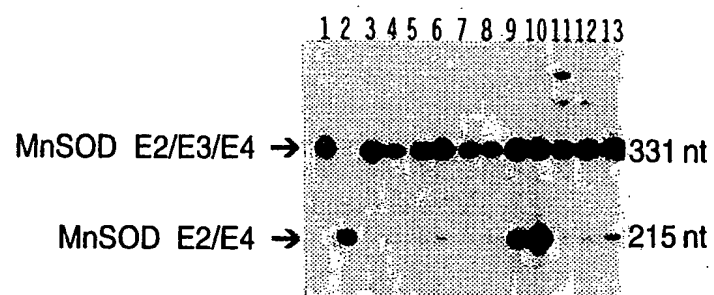
FIG. 1A**FIG. 1B****FIG. 1C**

EXON 2-TGGCCAAGG/GAGATGTTA-EXON 3-AACCCAAAG/GGGAGTTGC-EXON 4

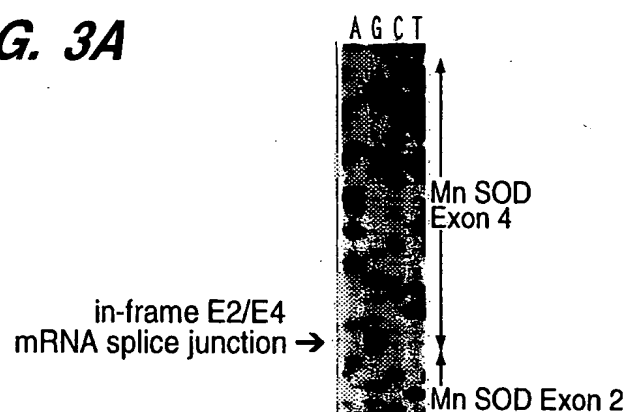
EXON 2-TGGCCAAGG/GGGAGTTGCTGGAAGCCATCAAACGTGA-EXON 4

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FIG. 2

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FIG. 3A**FIG. 3B**

A L A K G E L L E A
GCGTTGGCCAAGGGGAGTTGCTGGAAGCC
280 470
Mn SOD Mn SOD
Exon 2 Exon 4

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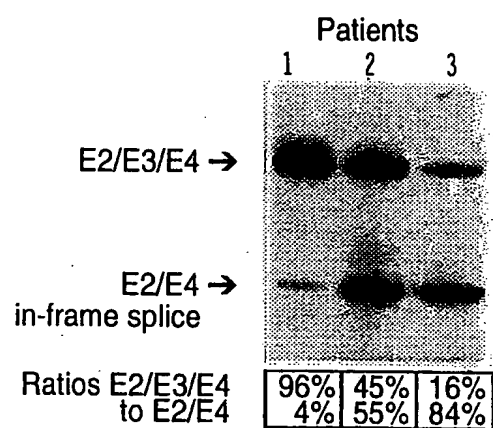
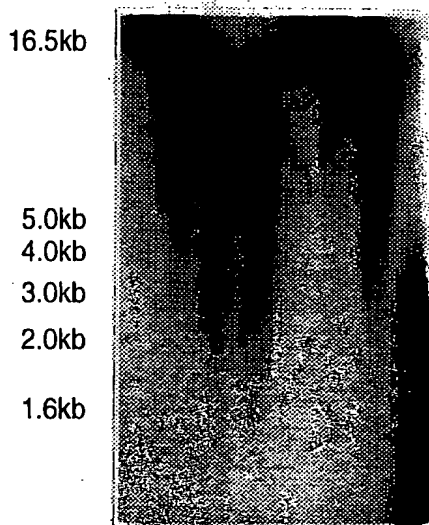
FIG. 4

FIG. 5A

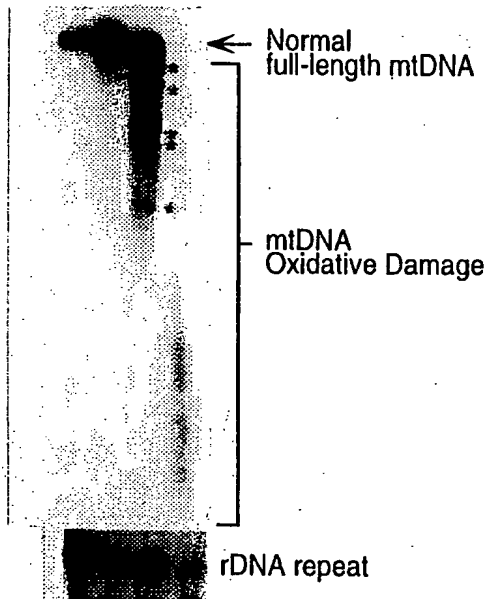
Normal MnSOD cDNA MnSOD E3(-) cDNA



doxycycline ng/ml 20.0 | 0.2 | 20.0 | 0.2 |
2.0 0.02 2.0 0.02

FIG. 5B

MnSOD E3(-) cDNA



doxycycline ng/ml 20.0 | 0.02
2.0 0.2

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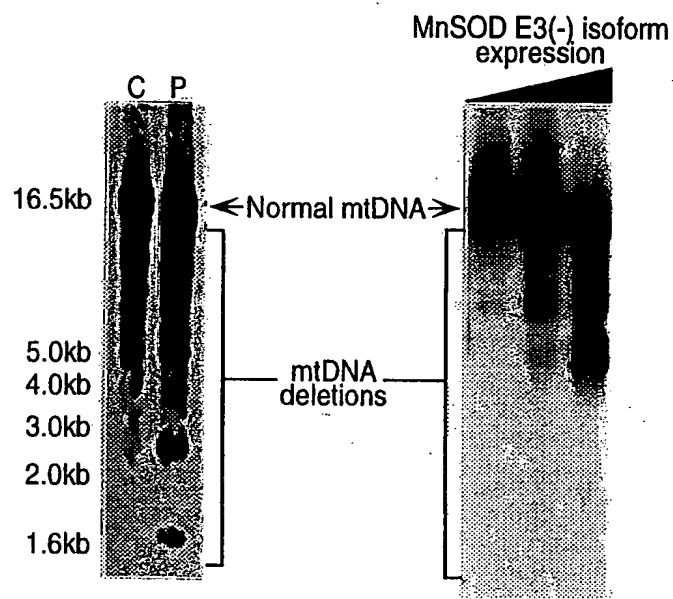
FIG. 6

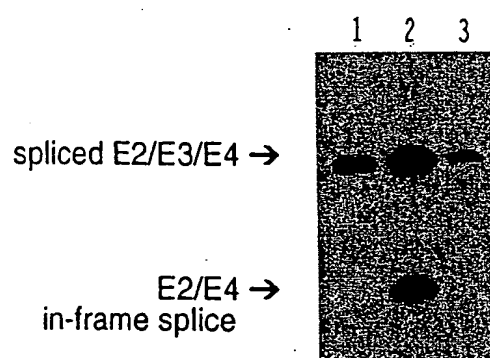
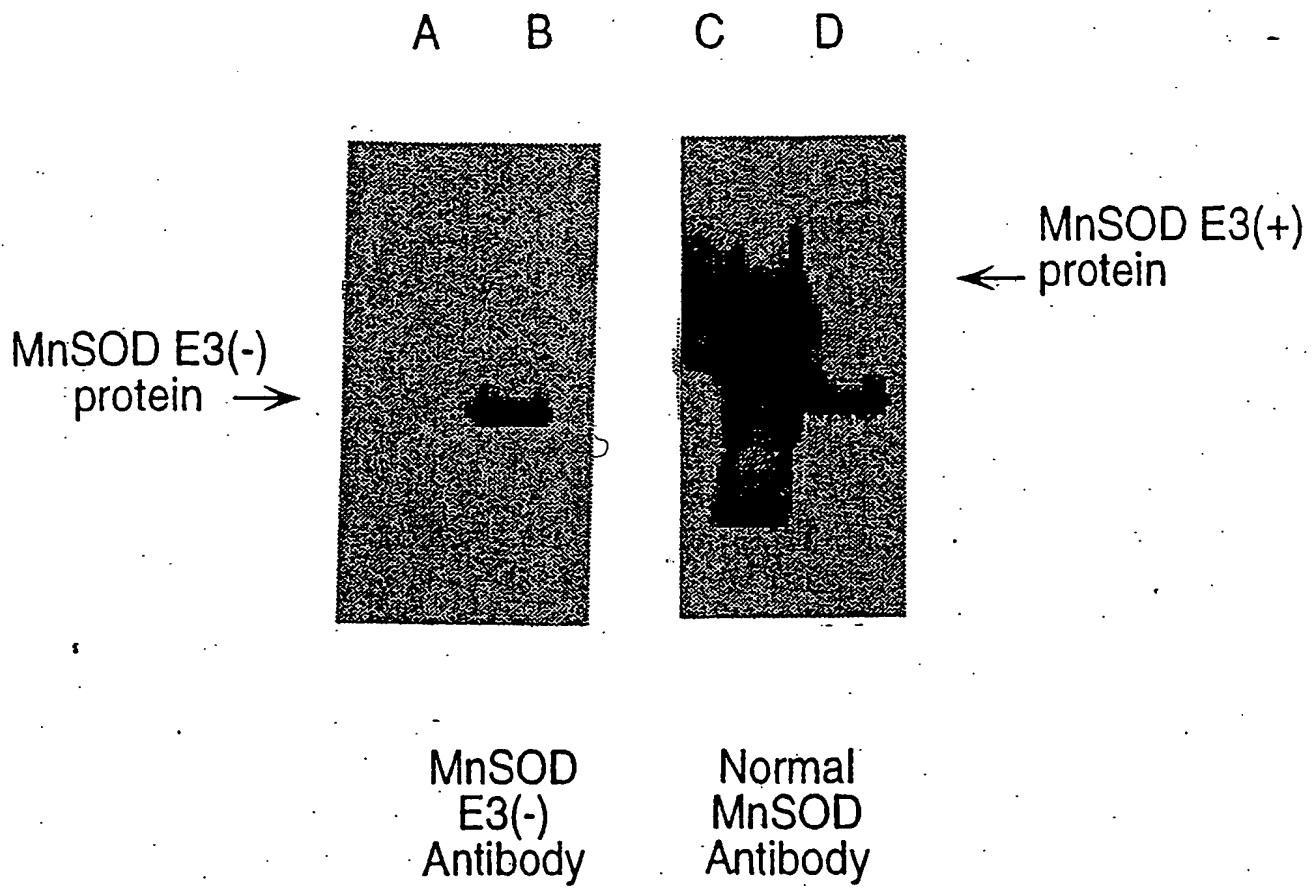
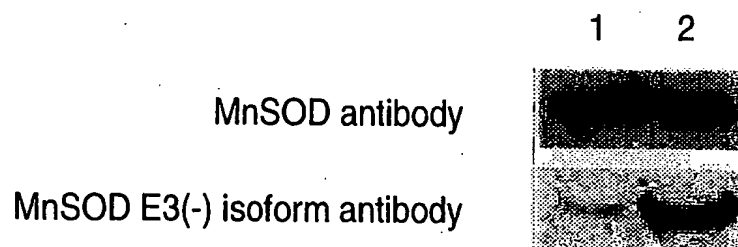
FIG. 7

FIG. 8



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FIG. 9



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FIG. 10